



The e-NC Authority Update

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www.e-nc.org

UPDATE ON ACTIVITIES DEC-JAN

- BRIM ACTIVITIES NC Speed Test <http://ndt.e-nc.org/>
- NCTN NC TELEHEALTH NETWORK
- SMART METERS & BROADBAND DEPLOYMENT – Senator Queen Committee
- COUNTY REQUESTS
- CITIZEN REQUESTS
- BTOP-2: MIDDLE MILE; PUBLIC COMPUTER CENTERS; LAST MILE AND LIFELINE ONLINE
- BTTS & SMART FARMERS TO MARKET



State Broadband Data & Development Grant

Awarded to e-NC: October 5, 2009

Project: **NC BRIM** (North Carolina Broadband Rigor in Mapping)

- Mapping – award of \$1,589,077 over 2 years, with possible additional funding for 3 more years
- Planning – award of \$434,799 over 5 years



NC BRIM Data Collection Elements

Data Collection Methods

- Service Provider Data from Broadband Service Providers
- Service Provider Data through Data Mining/Web-Crawling
- Broadband Consumer Survey – Local Level
- Plus, Wireless Propagation/GIS Modeling

Additional collection under the Planning piece:

- Citizen Surveys (3 surveys over 5 years)
- Survey analysis of broadband adoption and strategic gaps

Current Status of Project

Dec 1, 2009: e-NC Commission approved framework for contracted services related to project

Dec 09–Jan 10: Five Requests for Proposals released, submissions received and evaluated

Jan – Feb 10: Agreements for all contracted services finalized



Requests for Proposals -Released and Received

- Web-Enabled Data Mining for Collection of Broadband Data for e-NC
- Collecting Broadband Data at the Consumer Level
- Database Development and Maintenance for e-NC
- GIS Mapping/Hosting for e-NC
- Survey Analysis of Broadband Adoption and Strategic Gaps (Planning)



Contracted Services for NC BRIM (Sub-Recipients for NTIA Award)

Data Collection

- Service Provider Data through Data Mining/Web-Crawling ([successful bidder selected](#), contract being finalized)
- Broadband Consumer Survey – Research Methodology & Oversight ([UNC-Chapel Hill, Kenan Institute](#))
- Broadband Consumer Survey – Local Level ([2 successful bidders selected](#), contracts being finalized)
- Wireless Propagation/GIS Modeling ([UNC-Greensboro](#))
- Database Development & Hosting ([successful bidder selected](#), contracts being finalized)

Mapping

- GIS Mapping Company ([successful bidder selected](#), contract being finalized)

Planning:

- Citizen Surveys ([East Carolina University](#))
- Survey analysis of broadband adoption and strategic gaps ([successful bidder selected](#), contract being finalized)



Status Update Continued

- Contracts for research oversight (ECU) and four external evaluators are being finalized.
- Technical Advisory Group will begin meeting in February 2010.
- Data Confab is to be held at the 25-26 th of March 2010.
- The NTIA postponed the Mar 1, 2010 data collection deadline to Mar 31, 2010.

NC TELEHEALTH NETWORK

- Bandwidth and speed requirements for healthcare increasing rapidly.
- NCTN assists 210 public health agencies and free clinics obtain broadband
- Leverages \$6 Million for building and operating networks -FCC's Rural Health Care Pilot Program
- In planning - additional phases to fully build out system to hospitals & providers



SMART METERS & BROADBAND

Initiative to investigate connections between Smart Metering and Broadband

Among those involved:

- Electric Companies
- Electric Cooperatives
- Telecommunications Companies
- Product Development Companies
- Research Organizations: NC State University and Entrepreneurial Companies
- Advanced Energy Research Corporation (AEC)
- The e-NC Authority
- N.C. Utilities Commission



BTOP 2

MCNC/ Presentation: Middle Mile

Potential Other Apps:

- Public Computer Center Omnibus Request
- Public Computer Center Request
- Last Mile
- Lifeline Online

Staff Support for OERI BTOP 2 Review



EVERYDAY REQUESTS

- Citizen Requests
- Local Government Requests for Assistance (30 counties)
- Business Requests for Assistance
- BTOP Applications Requests for Assistance
- Federal agencies: FCC, NTIA, GAO, Etc.

BTTS – A GREAT SUCCESS

Smart Farmer's Program: National best practice
(9 N.C. counties)

Purpose Award: Tim Will, Director of FootHills
Connect BTT

STAFF RESOURCES STRESSED

- First state broadband authority; established by N.C. Legislature
- Operations Started January 2001
- State Funds for Operations <\$495,000
- Federal funds from BTOP \$2,023,874
- Money Reserve down to \$0 in July 2010
- 5 Full-time and 3 Part-time Staff
- 15 Great board members





*Connecting
North Carolina
to a Better Future*

The e-NC Authority

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